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## ABSTRACT

### EMITTER GEOLOCATION

5        A method and means for correcting for refraction effects of the earth's atmosphere in an emitter geolocation technique for locating an emitter of electromagnetic waves by means of a plurality of receivers, including detecting the times of arrival of electromagnetic waves at the receivers, computing the relative time differences of arrival between the various receivers and estimating  
10      therefrom the position of the emitter, and for correcting, by means of an iterative procedure, the detected times of arrival for path length discrepancies caused by refraction in the earth's atmosphere. The receivers are each mounted on a respective airborne platform, and at least three pairs of said receivers are provided.

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**[Figure 2]**